

ABSTRACT OF THE DISCLOSURE

A waveguide device has an input waveguide, a plurality of output waveguides, a channel waveguide array, an input slab waveguide, and an output slab waveguide.

5 The output slab waveguide connects an output end of the channel waveguide array to the output waveguide, and has optical input/output characteristics set to given ratios for the output waveguides with respect to the input waveguides. The waveguide device is capable of adjusting

10 signal levels output from the respective waveguides without the need for circuit parts for compensating for loss differences and also the need for a process of highly accurately attaching parts.